

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: Laminex Woodgrain Collection
 Product Use: Residential, commercial, industrial.
 Used as paneling, cabinetry, furniture
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Laminex New Zealand**
 Address: 31 Rockridge Ave
 Penrose
 Auckland, 1642

Telephone: 0800 303 606
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 27 July 2020

Section 2. Hazards Identification

This product is not hazardous in New Zealand according to the EPA Hazardous Substances (Classification) Notice 2017.

This product is not classified as hazardous in Australia according to GHS

Eye contact: Glue components may cause temporary irritation or a burning sensation.
 Wood dust will cause mechanical irritation.

Skin contact: Both formaldehyde and wood dust may evoke allergic contact dermatitis in sensitised individuals.

Inhalation: Wood dust and/or formaldehyde may cause nasal dryness and /or irritation. Exposure to wood dust can cause chronic obstructive lung disease. Exposure to saw fumes containing wood terpenes causes obstructive impairment to lung function.

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Wood Fibre	60-90%	None
Urea, polymer with formaldehyde	<20%	9011-05-6
Isocyanate adhesive	<1%	101-68-8
Polyolefin resin with ink	<10%	None
Formaldehyde*	< 0.3mg/L	50-00-0

* Testing is in accordance with methods outlined in the Australian Standard Test Method's AS/NZS 2098.11 for Plywood or AS/NZS 4357.4 for LVL

Section 4. First Aid Measures (for construction uses)

Recommended on site emergency facilities: Comprehensive First Aid kit plus access to eye wash facilities.

Routes of Exposure:

If in Eyes	Hold eyelids open and immediately irrigate eye with copious amounts of water for a minimum of 15 minutes. Remove contact lenses if safe to do so. If irritation persists: seek immediate medical advice
If on Skin	Some individuals may have a sensitization to the wood resins. Seek medical advice if a large area of redness or skin irritation develops.
If Inhaled	Wood dust must not be inhaled. Immediately remove patient to fresh air if breathing difficulties or asthma symptoms. Immediately seek medical advice if patient has a history of asthma and does not carry an inhaler.

Section 5. Fire Fighting Measures

Hazard Type	Combustible timber product
Hazards from decomposition products	Primarily carbon monoxide and smoke particulates from timber combustion. Some toxic fumes are possible.
Suitable Extinguishing media	Extinguish fires with water jet or water spray.
Precautions for firefighters and special protective clothing	Firefighters should wear self-contained breathing apparatus if there is a risk of exposure to smoke particulates and gaseous products from combustion. Unprotected personnel should be moved upwind from a fire that may spread to large stacks of treated timber.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Dust Significant quantities of large surface area timber particles (sawdust, shavings, small off-cuts, machining dust) must not be left on a site where they can be washed away or buried in the subsoil.

Notify local pollution authority if large spill of timber particles occurs into a stream or waterway. Dispose of treated off cuts to authorised landfill. Consult Regional Council for disposal options. Clean spillage area with detergent and water. Wash and dry any contaminated protective equipment before re-use.

Section 7. Handling and Storage

HANDLING:

- Wear protective clothing.
- Wash hands before smoking, eating, drinking or using the toilet
- Keep away from sparks, open flames, hot surfaces. No smoking.

STORAGE:

- Store in a dry, well-ventilated place, away from sources of heat or ignition
- Store away from incompatibilities listed in Section 10.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS NZ WorkSafe New Zealand (provided for guidance only)

Substance	TWA	
	ppm	mg/m³
Wood dust (soft wood)		2
Paraffin and hydrocarbon waxes		2
Isocyanate adhesive	0.02	(STEL: 0.07)
Formaldehyde vapour (8 hour shift)	0.5	
(12 hour shift)	0.33	

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

ENGINEERING CONTROLS:

Use in well-ventilated area or outside.

PERSONAL PROTECTIVE EQUIPMENT:



Eyes	Wear goggles, full face shield, or safety glasses with side shields when using this product. If cutting or sanding with potential for dust generation, wear dust-proof goggles
Hands and Skin	Wear protective clothing such as overalls and shirt with sleeves, also closed in footwear and rubber gloves.
Respiratory	Use in well-ventilated area or outside. Wear Class P1 (particulate) if wood dust is generated.
General	Wash hands before eating, drinking, smoking, using the toilet and at the end of the shift.

Section 9 Physical and Chemical Properties

Appearance	Resin covered fibreboard
Odour	Slight pine, some characteristic
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	Not applicable
Melting Point	Not applicable
Freezing Point	Not available
Flash Point	Not applicable
Flammability	Combustible
Upper and Lower Explosive Limits	40 g wood dust / m ³
Vapour Pressure	Not applicable
Density at 20°C	0.4 – 0.6 g/cm ³
Solubility in water	Insoluble
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
% Volatiles	Not applicable
Evaporation Rate	Not applicable

Section 10. Stability and Reactivity

Chemical Stability	Stable under normal storage and use conditions.
Conditions to Avoid	Avoid contact with heat and extreme cold.
Incompatibility	Other combustible materials, Strong oxidising agents, acids, alkalis.
Hazardous Decomposition Products	Carbon dioxide, carbon monoxide, oxides of nitrogen. May produce toxic decomposition products in fumes and smoke in fire.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation/Respiratory	May cause asthma-like symptoms.
Eye	May cause eye irritation.
Skin	May cause skin irritation. May cause skin sensitization.

Chronic Effects:

Carcinogenicity	May cause nasal/paranasal cancer through repeated exposure.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
STOT/SE	Not applicable.
STOT/RE	May cause damage to skin and lungs through repeated exposure.
Aspiration	Not applicable.

Long term exposure to wood dust or wood fumes from heat using power saws can cause chronic obstructive lung disease from wood terpenes and residual formaldehyde.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Methylene, 4,4'-diphenyl diisocyanate-	2200 mg/kg (mouse)	> 5000 mg/kg	0.369 mg/l vapour (rat)
Formaldehyde	260 mg/kg (guinea pig)	270 mg/kg (rabbit)	0.497 mg/l mist (mouse)

Section 12. Ecotoxicological Information

This product is not known to be a hazard to the environment. Remove from waterways if possible.

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Individual component information (Please refer to www.epa.govt.co.nz for full details):

Formaldehyde (Cas No 50-00-0):

Route	Species	Duration	Value LC50/EC50
Acute aquatic, fish	Morone saxatilis (Channel catfish, fresh water)	96 hr	4.960 mg/L

Acute aquatic, Crustacean	Daphnia (Crustacea)	24 hr	40 mg/L
Bioaccumulative	No		
Rapidly Degradable	Yes		

Do not allow to enter waterways.

Section 13. Disposal Considerations

Dispose of off cuts to authorised landfill. Consult Regional Council for disposal options. DO NOT use off cuts for heating or cooking fires or for barbecues or spit roasts. Avoid contact with ash. Dispose of ash safely to an approved landfill.

Section 14 Transport Information

This substance is not classified as a dangerous good in NZ according to NZS5433: 2012
This substance is not classified as a dangerous good in Australia according to the ADG.

Section 15 Regulatory Information

This product is not hazardous in New Zealand according to the EPA Hazardous Substances (Classification) Notice 2017

This product is not classified as hazardous in Australia according to GHS

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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